

New Zealand – Self Contained

Polaris 2

Gen 2





P2 Gen 2 vehicle **MANUAL**

Contents

Description of Keys	3
Vehicle Equipment.....	4
Starting the Vehicle	5
Baby Seat Installation	6
Windows & Vents	7
Fan.....	8
240-Volt electrical system	9
12-volt electrical system	10
Microwave	11
Freshwater tank and water access.....	12
Greywater Tank	13
Water Pump.....	14
Hot Water Heater	15
Toilet Use.....	16
Toilet Cassette.....	17
Gas Bottle	20
Stove Top.....	21
Tap & Sink.....	22
Heater	23
Fridge.....	24
Lights	25
Television	26
Dining Table	27
External Table	28
Swivel Chairs	29
Power Points.....	30
Entrance Step	31
Storage.....	32
Internal Blinds	33
Awning	34
Diesel Fuel	36
AdBlue	37
Jack & Spare Tyre	38
Additional Information	39
Dash warning lights.....	40



P2 Gen 2 vehicle **MANUAL**

Description of Keys



IGNITION KEY:

Use the indicated ignition key to:

- Start your vehicle
- Lock or unlock the fuel tank's cap



FRESH WATER KEY:

Use this key to lock/unlock the freshwater compartment



COMPARTMENT KEY:

Use this key for:

- Unlock/lock the toilet cassette compartment
- Unlock/lock LPG gas compartment



P2 Gen 2 vehicle MANUAL

Vehicle Equipment

FIRE EXTINGUISHER



Each vehicle is equipped with a dry chemical fire extinguisher, meticulously selected to address both type B fires (involving grease and liquids) and type C fires (involving electrical elements). To deploy the extinguisher effectively, grasp the ring situated atop the bottle, direct the nozzle towards the top of the flames, and press down the level firmly. Guide the nozzle from side to side to cover the entire width of the base of the flames.

* A fire extinguisher is attached to the interior of the vehicle, beside the rear passenger seat



SMOKE ALARMS

Each vehicle is furnished with a smoke alarm, serving as a crucial element for your safety and security. This alarm is powered by a replaceable 9-volt battery. Should a replacement be warranted during the duration of your rental, kindly procure a new battery, retain the receipt and upon vehicle return, reimbursement will be facilitated accordingly.

***Do not disconnect the smoke alarm. It must be connected at all times for your safety.**



P2 Gen 2 vehicle MANUAL

Starting the Vehicle

Gear stick in parking mode



Gearstick must be in PARK and your foot on the pedal for the vehicle to start.

The dashboard will display a 'P' indicating the vehicle is in Park. Start the vehicle using the ignition key.

Gear stick in driving mode



With your foot still on the brake pedal, pull the gear stick down into the 'D' position. The dashboard will display a 'D' indicating the vehicle is in Drive.

Disengage the hand brake by clicking it down once. A white light will disappear. To engage the handbrake, pull the handbrake button towards you. A white light will appear.



CAUTION – Handbrake is on the right-hand side of the steering wheel. Do not forget to disengage the hand brake before you drive.



P2 Gen 2 vehicle **MANUAL**

Baby Seat Installation

The two anchor points for baby seats are located on the front forward-facing seat at the dinette behind the driver's cabin. The anchor points are on the bottom of the chair at the back.



To install the baby chair:

1. Feed the tether strap through the back of the chair.
2. Reach your hand through the middle join of the chair and clip the tether strap to the anchor point.
3. Thread the vehicle seatbelt through the seat belt path on the baby seat from one end and buckle on the other side.
4. Ensure the seatbelt is firmly secured.



P2 Gen 2 vehicle MANUAL

Windows & Vents

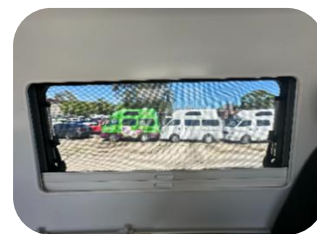
To open the windows:

1. Turn the vent handles inwards
2. Push the window out and click to latch in place

The window has a mosquito net and a sun blackout blind. These can be used separately.

To use the mosquito net and blinds:

1. Pull the white blind down using the handle indents
2. To use the sun blackout blind, pull the blind up using the handle indents



To open the vents:

1. Grab the rail, twist and pull it towards yourself.

The vent has a mosquito net and a sun blackout blind

To use the mosquito net and blinds:

1. Pull the blind towards yourself using the handle indents
2. To use the sun blackout blind, push the blind away from yourself using the handle indents
3. To use the mosquito net, pull the white blind towards yourself using the handle indents



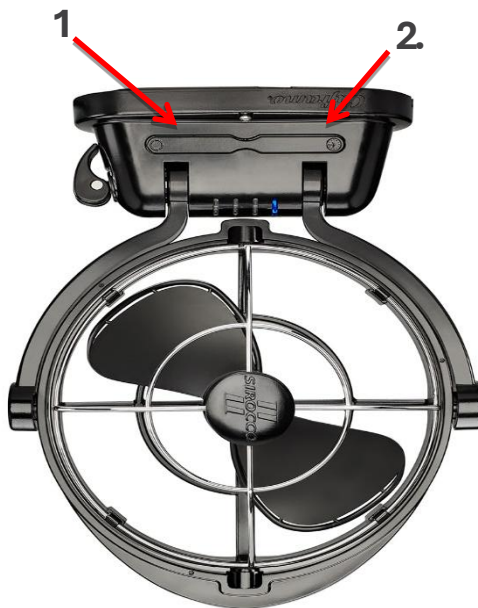


P2 Gen 2 vehicle **MANUAL**

Fan

Your vehicle is equipped with a small fan above the double bed which is operated via 12-volt power.

1. Power button – On/Off
2. Settings button – sets fan speed





P2 Gen 2 vehicle **MANUAL**

240-Volt electrical system



To run the microwave, power points and to recharge the house battery, connect the vehicle's 15AMP electrical cord to a 240-volt external power source. The above items will only work if you are connected to 240-volt power. It is recommended that the vehicle is plugged into power every second night, to keep the house battery charged.



The 240-volt outlets and appliances are protected by circuit breakers. This device is intended to protect you from electrical shock hazards when you are using the electrical appliances.

If you experience a power surge where the circuit breaker trips, locate the circuit breaker on the outside of the vehicle and switch back to the ON/UP Position. The circuit breaker is located next to the power outlet.

Overloading the 240-volt system will cause the circuit breaker to turn off. This can happen when using multiple 240-volt items at once.



P2 Gen 2 vehicle MANUAL

12-volt electrical system

The 12-volt electrical panel is located above the dining table on the wall. To turn it on, press the power button (1). When the buttons are in operation, a green dot will illuminate.



1. Power On
2. Lights
3. Fresh Water level
4. Hot Water

5. Water Pump
6. Greywater Level
7. Battery level
8. Power source

Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle MANUAL

Microwave

The microwave in your vehicle will only operate via 240-volt power. This means that you need to be plugged into an external power source

Troubleshooting the Microwave

Problem: Microwave is inoperative and there is no display

Possible Cause: 240-volt power is not plugged into an outlet. Check that the vehicle is connected to mains power and that the powered outlet is in working order. Or faulty cable.

Problem: Microwave is operable (light on, turntable working) but it is not heating food

Possible Cause: Microwave may be broken. Please call the Star RV on-roads team for assistance

Problem: Sparks when the microwave is turned on

Possible cause: Metal object in the microwave



P2 Gen 2 vehicle MANUAL

Freshwater tank and water access

On board the vehicle is a freshwater system consisting of a water pump and freshwater tank.

The freshwater tank has a 90L capacity and is located on the passenger side of the vehicle. This water is for the sink, shower and toilet flush.



To fill the freshwater tank:

1. Unlock the compartment that says "Fresh Water Only" with the small white key on your keyring
2. Remove the cap from the water inlet
3. Place the end of the water hose into the tank and connect the hose to the tap to fill the vehicle with fresh water.

Note: Do not use too much pressure as the tank must be vented when filling. In the event of an air bubble, simply remove the hose, reinsert and fill slowly again.

The tank is full when the water starts to overflow from the water inlet.



You can check the level of your water on the 12-volt switchboard as seen below. This is the 2nd tank level on the control panel.



P2 Gen 2 vehicle MANUAL

Greywater Tank

The greywater holding tank collects wastewater from the kitchen, bathroom sink and shower. You can see the level of your water on the 12-volt switchboard as seen in the picture.



Is it not uncommon for the greywater level indicator to give an inaccurate reading. It may show 100% even if it is empty. We recommend emptying your greywater tank as regularly as possible.

To empty the greywater tank:

1. Collect the greywater hose from the storage compartment.
2. Connect the hose to the outlet. Make sure it is firmly attached by twisting the pipe and locking into place



3. Place the other end of the hose into a dump station disposal opening.
4. Open the tank by pulling out the silver handle and wait for it to empty
5. Once the greywater is empty, close the lever and remove the hose and stow it away in the storage compartment.

Should the grey water tank become obstructed during your journey, we recommend inserting a hose into the grey water outlet as far as it reaches. Turn on the hose to its highest pressure setting and direct the flow of water into the tank until it reaches full capacity. Once achieved, withdraw the hose, facilitating the flow of grey water. If needed, repeat this process until the obstruction clears.



P2 Gen 2 vehicle MANUAL

Water Pump

The water pump allows you to use the water on board this vehicle. You need to turn the water pump on to operate the kitchen tap, shower and the toilet flush.

To Turn on the water pump:

1. Ensure there is water in your freshwater tank
2. On the switchboard, press the PUMP symbol once. You will hear the pump quietly start up. The pump operates as part of the 12-volt system.



3. When you are not using the pump, ensure it is turned off.

Please note: Avoid running the pump when the water tank is empty. Operating the pump continuously with no water can cause damage.

Caution: Do not drink the water from the tap unless it's boiled first.



P2 Gen 2 vehicle MANUAL

Hot Water Heater

The switch to active the (LPG) gas-operated water heating system is located above the sink.

To use the water heater:

1. Turn the gas bottle, located in the rear doors under the bed, to the 'on' position, ensuring the valve is fully opened. Twist the valve on the gas bottle anticlockwise to open and clockwise to close.

Note: the system will not function if there's insufficient gas in the bottle.

2. Activate the water pump and hot water button on the control panel



3. Check that the hot water panel is on and shows the temperature of the water. You can adjust the temperature of the water by pressing the buttons on the panel. Max. temperature is 50 degrees.



4. The hot water is on demand. When you turn on the water from the tap, the system will detect the flow and will automatically turn on. On the control panel you will see the flame  and burner  icon. You should have hot water flowing after 7-10 seconds.



P2 Gen 2 vehicle MANUAL

Toilet Use



1. Turn on the water pump at the 12-volt control panel



2. Push the blue button on the toilet to fill the base with water



3. Once finished, adjust the lever on the base of the toilet to empty the cassette



4. Ensure the lever is in the closed position after use



P2 Gen 2 vehicle **MANUAL**

Toilet Cassette

It is highly recommended to regularly empty the toilet cassette, and it is mandatory to empty and clean it before returning the vehicle to the depot.

To empty the cassette:

1. Lift the blue lever and remove the entire cassette from the vehicle.

Should the cassette become jammed, refrain from applying excessive force. Instead, ensure that the toilet cavity inside the vehicle is securely closed. Once the cassette is removed from the vehicle, rotate the pour-out spout and unscrew the cap. Dispose of the waste at a designated black water dump point.

2. Open the cassette before use; otherwise the content can spill around the cassette. Empty the cassette into the dump station
3. After emptying the toilet cassette, rinse it thoroughly and repeat the emptying process.
4. Add a toilet chemical along with up to a litre of water

Please note: it is crucial for the cassette to click back into position, to align with the toilet above.

Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**





P2 Gen 2 vehicle **MANUAL**

Shower



To operate the shower, please follow the steps below:

1. Activate the gas-operated water heating system using the 12-volt control panel.
2. Turn on the water pump by pressing the PUMP button on the control panel.
3. Pull the shower handle towards you to turn the water on.
4. Adjust for hot or cold water by turning the handle. Left to **H** for hot or right to **C** for cold.

The vent in the shower serves as a means to expel excess moisture and odors from the vehicle.

To use the vent/fan:

1. Twist the handle anticlockwise.
2. To activate the fan, press the small black button



P2 Gen 2 vehicle MANUAL

Gas Bottle



The gas bottle is located at the back of the vehicle, under the bed. There is a cupboard marked L.P. Gas Storage.

IMPORTANT: Never drive with the gas bottle in the 'open' position.

To open the gas bottle, rotate the valve fully in an anticlockwise direction. To close the gas bottle, turn the valve on top of the gas bottle clockwise until it's securely tightened.

If you detect the **smell of gas**:

1. Extinguish all open flames and smoking materials
2. Refrain from touching any electrical switches
3. Shut off the gas supply using the valve on top of the gas bottle
4. Open doors, windows, hatches and any other ventilation openings.
5. Evacuate the area until the gas odour dissipates
6. Contact Star RV for assistance



P2 Gen 2 vehicle MANUAL

Stove Top

Warning: It is not safe to use cooking appliances for comfort heating.

The gas burners in the vehicle operate via gas. The basic functionality resembles that of a gas stove commonly found in households. However, it's crucial to note that the vehicles confined space limits the amount of oxygen available. Therefore, it's imperative to ensure there is adequate ventilation whenever using the stove.

When the stove is in use, ensure that the area is well vented by opening a window or roof vent.

How to operate the stove:

To ignite the stove in the vehicle, follow these steps:

1. Locate the gas bottle and fully turn the valve on top of the gas bottle to the 'open' position.
2. Press in, hold down and turn the burner knob to your desired heat level
3. While continuing to hold in the burner knob, press the ignition switch until the gas ignites. Maintain pressure on the burner knob.
4. Wait approximately 15 seconds before slowly releasing the burner knob.
- 5.

Please note: If the flame extinguishes, the burner knob may have been released too soon. Repeat steps two to four and try again.

Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**

Tap & Sink

The vehicle comes equipped with a water filtration system. The handle on the silver tap dispenses filtered water, while the black tap handle provides water directly from the freshwater tank.

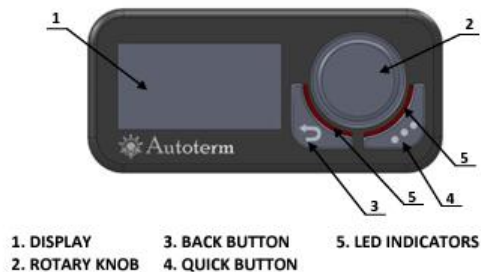




P2 Gen 2 vehicle MANUAL

Heater

The heater operates from the diesel in your vehicle as well as the 12-volt system



1. Press the operating button once to wake up the system
2. Select heating mode 
3. Select temperature by turning the rotary knob left or right, then confirm by pushing in the rotary knob. 
4. Select the duration of time for the heater to run, by turning the rotary knob left or right. Confirm by pushing in the rotary knob
5. Heating should start up

Quick button (4) can be used to start or stop the heater without entering the main menu or quickly enabling/disabling timers

- While the heater is off, long-pressing the button for 2 seconds starts the heater with previous settings (display message "Starting...")
- While the heater is operating, long-pressing the button for 2 seconds switches off the heater (display message "Switching off...")



P2 Gen 2 vehicle MANUAL

Fridge

The fridge in your vehicle operates via the 12-volt and 240-volt system. To operate the fridge, follow the below steps.

1. Make sure the power button is on at the control panel
2. Open the fridge and locate the control panel (inside, top). Check that the power button is on, it should be showing a blue light.



3. You can adjust the temperature by pressing the temperature icon. Optimum temperature setting is when there are 3 dots illuminated



Note: If the power on the control panel is turned off, the fridge will also turn off.



P2 Gen 2 vehicle MANUAL

Lights

To use the cabin lights:

1. Press the power button on all three light buttons on the 12-volt control panel.



2. You can now turn on the lights using the light switches throughout the vehicle



You can find the light buttons:

- Above the back seats
- On the wall as you open the side door
- In the bed area

3. Press the OFF button on the interior light switch to turn all lights off

There are 2 lamp lights that are equipped with a USB port, located above the bed.

To use the lamp lights:

1. Press the circle button lightly to turn on the blue light
2. Hold the button down for 2 seconds to turn on the white light



Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**

Television

Each vehicle is fitted with a smart television for your entertainment. You can find the remote conveniently located in the kitchen drawer or in the top cupboard. The TV operates on both 12-volt and 240-volt mains power. Additionally, it features various apps such as Netflix, Prime Video, Kayo and more, accessible when connected to Wi-Fi and internet.

Kindly note that television reception may vary in rural areas. We highly recommend bringing your own DVDs to utilize with the in-built DVD player for uninterrupted entertainment.

To use the television:

Make sure the Power button is on at the Control Panel.

Use the remote to turn on.

Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**

Dining Table

To remove or adjust the dining table: click the buttons on the edge of the table so they are raised.



When you put the table back, push the buttons down to secure it in place.





P2 Gen 2 vehicle MANUAL

External Table

The external table can be set up outside, using the table from inside:

To set up table:



1. Find the outdoor table bar located behind the sliding door



2. Attach table clips to the table bar



3. Press both clips onto the table bar to secure the table in place
4. Ensure that the legs of the table are always on a flat surface



P2 Gen 2 vehicle **MANUAL**

Swivel Chairs

The passenger and driver seats are designed to swivel around for your convenience, allowing you to easily transition to the dining table area. To swivel the chair around, find the lever located on the side of the chair and pull it towards you. The chair should then spin around.

Note: Please do not try while driving.





P2 Gen 2 vehicle **MANUAL**

Power Points

The vehicle is equipped with two USB charger points as well as auxiliary power outlet located under the dining table.

These will work when the vehicle is plugged in and when the 12-volt control panel is turned on.

USB will work on 12V battery. Power points will work when plugged in 240V.





P2 Gen 2 vehicle MANUAL

Entrance Step

The vehicle is equipped with a convenient entrance step located on the passenger side sliding door, enhancing ease of entry for passengers.

To use the entrance step:

1. Locate the button to extend and retract the step, on the side of the kitchen cupboard



2. To extend the step, push the up arrow on the button



2. To retract the step, push the down arrow on the button



Please Note: when the vehicle is turned on. The step will retract automatically. Be careful to not trip over when the step is retracted.

Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**

Storage

The vehicle has a dedicated storage area under the bunk beds as well as various drawers & cupboards throughout the vehicle to store personal items.



Please do not put heavy items or glass bottles in the overhead compartment. There is a risk of contents falling out during turns.



P2 Gen 2 vehicle MANUAL

Internal Blinds

To secure the internal thermal blind to the front windscreen and two side windows of the vehicle, follow these steps using the suction cups:

1. Retrieve the internal thermal blind from the storage compartment located above the front cabin of the vehicle.
2. Unfold the thermal blind and position it against the front windscreen, ensuring it covers the entire surface area
3. Attach the suction cups to the designated points on the thermal blinds. These points are usually along the edges of the blind.
4. Press firmly on each suction cup to ensure a secure attachment to the windscreen. Make sure there are no air gaps between the suction cup and the glass surface
5. Repeat the same process for attaching the thermal blind to the two side windows of the vehicle using the remaining suction cups.
6. Once all suction cups are securely attached, adjust the position of the thermal blind as needed to ensure proper coverage and fit.
7. When not in use, carefully remove the suction cups from the glass surfaces and fold the thermal blind for storage in the designated compartment.





P2 Gen 2 vehicle MANUAL

Awning



To roll out the awning:

1. Using the awning handle, roll the awning.



2. Unfold both awning arms by twisting them down. Pull the awning arm out approximately 1 inch. Otherwise the arm will break.



3. Twist the button anticlockwise and pull down to secure the awning legs

4. Secure the awning using the provided tent pegs to anchor the feet into the ground, or by securing to the foot clips located on the side of the motorhome.



Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**

Awning Winder is located at the back, alongside the bed frame

Please do not use the awning if it's rainy or windy.

Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**

Diesel Fuel

The vehicle accepts diesel fuel only. DO NOT refill the motorhome with any other fuel or fluid. The diesel tank cap is marked with DIESEL on it and is unlocked using the vehicle diesel key.

The fuel filling cap is located next to the passenger door.

Simply open then lid using our hands, then use the diesel key to unlock. Turn the key anticlockwise to unlock the cap.

Once filled with diesel, place the fuel cap on the inlet and turn the key clockwise to lock it.

IMPORTANT: The vehicle accepts diesel fuel only. If you fill the vehicle with unleaded, water or AdBlue please do not start the engine. Call Star RV Roadside Assistance immediately.





P2 Gen 2 vehicle **MANUAL**

AdBlue

Every 2.500km the vehicle will require AdBlue to be refilled.

If the AdBlue level is low, a warning light or symbol illuminates on the dashboard and a message advises you to top up the AdBlue tank.

Please find the nearest fuel station or auto shop which supplies AdBlue and refill the vehicle with AdBlue as soon as possible. Failure to refill the AdBlue tank will result in the vehicle going into limp mode.

The AdBlue filler cap is below the diesel filler cap.

Please note: AdBlue is NOT a diesel fuel additive. DO NOT add or mix with diesel under any circumstances.





P2 Gen 2 vehicle MANUAL

Jack & Spare Tyre

The tools can be found under the front passenger seat. To access them, pull the compartment out from beneath the seat.

Next, push the front tab in and lift the upper shell off, as shown in the image below



The spare tyre is located at the back of the vehicle, underneath the motorhome. To access it, use the release mechanism to lower the tyre.

Ensure you follow all safety instructions when handling the spare tyre and use the proper tools to secure it when finished.



Try our online help hub.



Helphub.starrv.com helphub.jucy.com

P2 Gen 2 vehicle **MANUAL**

Additional Information

Tyre size	205/75 R/16C
Tyre pressure	60 PSI
Oil type	5W30
Coolant type	Red Coolant (any brand)



P2 Gen 2 vehicleMANUAL

Dash warning lights

Warning Light Symbol	Warning Light	Description	What to Do if the Light Comes On
	Brake Warning (Red)	Handbrake engaged or low brake fluid. If with ABS light, brake fault.	Pull over safely & avoid sudden braking. If the light comes on with ABS light, stop immediately & contact Roadside Assistance.
	ABS Warning (Amber)	ABS fault – brakes work without ABS. If with brake light, possible brake failure.	If on alone, drive cautiously & check as soon as possible. If with brake light, stop immediately & call Roadside Assistance.
	Electronic Stability Control (Amber)	Traction control fault; flashing = active, constant = fault.	Drive with caution. Restart engine; if still on, contact Roadside Assistance.
	Electronic Brakeforce (Amber/Red)	The braking system has malfunctioned	You can still drive very cautiously & contact Roadside Assistance.
	Power Steering (Amber/Red)	Overheated or failed steering assist.	If red, take extra care steering. Pull over & contact Roadside Assistance.
	Airbag/SRS (Red)	Fault in airbag or seatbelt system.	Contact Roadside Assistance.
	Coolant Overheat (Red)	Engine overheating – possible low coolant or leak.	Stop immediately & contact Roadside Assistance.



P2 Gen 2 vehicleMANUAL

	Battery Charge (Amber/Red)	Battery not charging.	Contact Roadside Assistance.
	Oil Pressure (Red)	Low oil pressure or high oil temp.	Stop immediately & contact Roadside Assistance.
	Engine Management (Amber)	Fault with engine or emissions.	Continue to destination & then contact Roadside Assistance.
	Immobilizer (Amber)	Anti-theft fault or key battery issue.	Continue driving & contact Roadside Assistance.
	Tyre Pressure (Amber)	Low tyre pressure or puncture.	Inflate to spec; if flat, stop & call Roadside Assistance.
	Glow Plugs (Amber)	Fault with glow plugs or relay.	Safe to drive short term – contact Roadside Assistance.
	Diesel Particulate Filter (Amber)	DPF regenerating or blocked.	Continue driving for 15 mins & if persists, call Roadside Assistance.
	AdBlue (Red)	The AdBlue additive level is low	It is safe to drive for a short distance. top up with AdBlue fluid asap. The AdBlue cap is next to the fuel filler cap and is blue. DO NOT PUT ADBLUE INTO THE FUEL. Always fill the Adblue tank with at least 5 litres of AdBlue.
	Tyre Pressure (Amber)	Low tyre pressure or puncture	Inflate to spec; if flat, stop & call Roadside Assistance.
	Lane Departure Alert (Amber)	System off or fault.	Check if turned off; if faulty, contact Roadside Assistance.



P2 Gen 2 vehicleMANUAL

	Maintenance	The vehicle is due or close to scheduled service and maintenance.	This is just an indication that the service is approaching. This service can be carried out when you return the vehicle.
	Collision Avoidance (Amber/Red)	System active or fault.	If faulty, check sensors for obstruction. System is disabled until fixed.
	Warning Triangle (Yellow)	- Fuel Inertia Cut-Off Switch Activated - Lights Failure: rear fog lamps, indicators, brake lights, number plate lights, side lights, daytime running lights, main beam - Airbag Warning Light Failure - Rain Sensor Failure - Diesel Filter Sensor Failure - Engine Oil Pressure Sensor Failure - Parking Sensor Failure - Water in Diesel Fuel Filter - Engine Oil Level Sensor Failure - Insufficient Engine Oil Level - Low Engine Oil Pressure Warning Light Failure	Continue driving, but pay attention and note down anything that doesn't feel or sound right. When you reach your destination, please get in touch with Roadside assistance and report any findings.